Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/26/2021 09:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122728	-2	2.63	122661	2.65
Blue	F	SSC	125000	124074	-1	4.21	124615	4.20
Blue	E	FITC	14400	13861	-4	3.13	318	15.16
Blue	D	PE	24713	24122	-3	2.73	553	11.00
Blue	B	PerCP-Cy5-5	31796	31247	-2	3.82	1033	14.83
Blue	A	PE-Cy7	21240	21128	-1	5.78	564	29.73
Red	C	APC	41319	41078	-1	3.50	1717	11.32
Red	A	APC-Cy7	21019	20483	-3	3.78	774	11.40
Violet	B	V450	7305	7161	-2	3.79	434	12.41
Violet	A	V500	28652	27745	-4	3.38	693	9.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23149	2.47	564	-5	N/A	N/A	Pass
Blue	F	SSC	57603	2.87	520	8	N/A	N/A	Pass
Blue	E	FITC	59	52.95	492	1	0.0467	94	Pass
Blue	D	PE	116	37.97	489	2	0.4373	360	Pass
Blue	B	PerCP-Cy5-5	191	36.24	587	3	0.0195	63	Pass
Blue	A	PE-Cy7	111	67.56	634	4	0.0209	0	Pass
Red	C	APC	399	23.90	575	2	0.0300	247	Pass
Red	A	APC-Cy7	172	26.58	545	0	0.0068	1017	Pass
Violet	B	V450	60	59.30	457	1	0.0543	1618	Pass
Violet	A	V500	100	31.45	470	0	0.0239	362	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.87	-31.62	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.00	15.99 - 23.99	N/A	N/A	29.98	30.22	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9894

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments